

REMARKS

The present invention is a method of wirelessly transmitting data signals to one of a plurality of mobile stations each of which can sense the transmitted signal, a method of operating a mobile station for the reception of data signals and a mobile station including receiving means and processing means, wherein the processing means is configured for controlling the mobile station to perform a method in accordance with the invention. A whole of the locally unique code is included in each of the bursts at a predetermined location therein to indicate to the mobile station that the mobile station is the target for the radio block. See paragraphs [0062] - [0063] of the specification.

Claims 1-7 stand rejected under 35 U.S.C. §102(e) as being anticipated by United States Patent 6,707,808 (Vedrine). These grounds of rejection are traversed for the following reasons.

Each of independent claims 1 and 4 substantively recite a locally unique code allocated or received by a mobile station with a whole of the code being included in each of the bursts at a predetermined location therein to indicate to the mobile station that the mobile station is a target for the radio block. This subject matter has no counterpart in Verdine.

The Examiner has construed the RLC header as described in column 5, lines 26 et. seq., to contain a temporary flow identifier (TFI) at a predetermined location. Assuming for the sake of discussion herein but not agreeing with the Examiner's characterization that the TFI corresponds to a locally unique code as recited in claims 1 and 4, a person of ordinary skill in the art would conclude that there is one TFI in each RLC header per radio block. As stated in column 5,

lines 36-37, the "RLC blocks 42 further include a RLC header containing, among other things, a TFI...".

At column 5, lines 38-42, it is disclosed that "[e]ach RLC block 42 is encoded (including the addition of uplink state flags (USFs)), convolution encoded and interleaved, and the resulting data structure is mapped (as indicated at 44) into a sequence of four consecutive bursts 46." A person of ordinary skill in the art would understand that the utilization of convolution coding to correct against errors in each RLC block results in there being no bits in the radio bursts that can be identified as the TFI. Moreover, a person of ordinary skill in the art would understand that when a TFI is included in a RLC header which is subject to convolution coding, the TFI can only be recovered by decoding the whole of the RLC header which is spread across the four bursts. Therefore, even if the bits of the four bursts which carry the encoded RLC occupy the same positions, the whole TFI cannot be considered to occupy predetermined locations in each burst. Accordingly, the subject matter of claims 1 and 4 is not anticipated. Moreover, there is no basis in the record why a person of ordinary skill in the art would be motivated to modify Verdine to arrive at the subject matter of claims 1 and 4.

Furthermore, claim 3 limits claim 1 in reciting transmitting a further radio block, comprising a plurality of bursts and conveying data belonging to a plurality of data streams, to said mobile station wherein the whole of said code is included in each of said bursts at another predetermined location therein to indicate that said mobile station may transmit in the next uplink radio block. Since the USFs of Verdine are also subject to convolution encoding, it is not possible for the USFs to

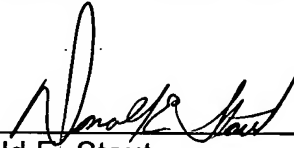
be identified at locations in each of the transmitted bursts which are occupied by the whole of the USF.

In view of the foregoing amendments and remarks, it is submitted that each of the claims in the application is in condition for allowance. Accordingly, early allowance thereof is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (1076.41046X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

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